

OIPe

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/010,577

DATE: 12/19/2001  
TIME: 10:51:29

Input Set : A:\ORT1457SeqLst.txt  
Output Set: N:\CRF3\12192001\J010577.raw

**ENTERED**

3 <110> APPLICANT: thurmond, robin l  
4 baker, sherry  
5 karlsson, lars  
7 <120> TITLE OF INVENTION: polynucleotide and polypeptide sequences of monkey cathepsin

S  
9 <130> FILE REFERENCE: ORT1457  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/010,577  
C--> 11 <141> CURRENT FILING DATE: 2001-11-08  
11 <160> NUMBER OF SEQ ID NOS: 4  
13 <170> SOFTWARE: PatentIn version 3.1  
15 <210> SEQ ID NO: 1  
16 <211> LENGTH: 993  
17 <212> TYPE: DNA  
18 <213> ORGANISM: monkey  
20 <400> SEQUENCE: 1

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23	gatccacccc	tgatcaccca	ctggaatctc	tggaagaaaa	cctacggcaa	acaatataaa	120
25	gaaaagaatg	aagaagcagt	acgacgtctc	atctgggaga	agaatctaaa	gtttgtgatg	180
27	cttcacaacc	tgagcattc	aatgggaatg	cactcatatg	atctgggcat	gaaccacctg	240
29	ggagacatga	ccagtgaaga	agtgatgtct	ttgatgagtt	ccctgagagt	tcccaaccag	300
31	tggcagagaa	atatcacata	taagtcaaac	cctaatacaga	tggtgcctga	ttctgtggac	360
33	tgagagagaaa	aggggtgtgt	taccgaagtg	aaatatcaag	gttcttgtgg	tgcttgctgg	420
35	gctttcagtg	ctgtgggggc	cctggaagca	cagctgaagc	tgaaaacagg	aaagctgggtg	480
37	tctctcagtg	cccagaacct	gggtggattgc	tctgaaaaat	atggaaacaa	aggttgcaat	540
39	gggtggcttca	tgacagaggc	tttcagttac	atcattgata	acaaaggcat	tgactcagaa	600
41	gcttcctatc	cctacaaagc	cacggatcag	aaatgtcagt	atgactcaaa	atatcgtgct	660
43	gccacatggt	caaagtacac	tgaacttccg	tatggcagag	aagatgtcct	gaaagaagct	720
45	gtggccaata	aaggccagct	gtgtgtttgga	gtagatgcaa	gtcatccttc	cttcttcctc	780
47	tacagaagtg	gtgtctacta	tgacccagcc	tgtactcaga	aggtgaatca	tggtgtactt	840
49	gtgattggct	atggtgacct	taatgggaaa	gaatactggc	ttgtgaaaaa	cagctggggc	900
51	agcaactttg	gtgaacaagg	atatattcgg	atggcaagaa	ataaaggaaa	ccactgtggg	960
53	attgctagtt	acccctctta	cccagaaatc	tag			993

56 <210> SEQ ID NO: 2  
57 <211> LENGTH: 330  
58 <212> TYPE: PRT  
59 <213> ORGANISM: monkey  
61 <400> SEQUENCE: 2

63	Met	Lys	Gln	Leu	Val	Cys	Val	Leu	Phe	Val	Cys	Ser	Ser	Ala	Val	Thr
64	1			5					10						15	
67	Gln	Leu	His	Lys	Asp	Pro	Thr	Leu	Asp	His	His	Trp	Asn	Leu	Trp	Lys
68				20					25					30		
71	Lys	Thr	Tyr	Gly	Lys	Gln	Tyr	Lys	Glu	Lys	Asn	Glu	Glu	Ala	Val	Arg
72				35				40						45		
75	Arg	Leu	Ile	Trp	Glu	Lys	Asn	Leu	Lys	Phe	Val	Met	Leu	His	Asn	Leu
76				50				55				60				
79	Glu	His	Ser	Met	Gly	Met	His	Ser	Tyr	Asp	Leu	Gly	Met	Asn	His	Leu
80	65					70					75			80		
83	Gly	Asp	Met	Thr	Ser	Glu	Glu	Val	Met	Ser	Leu	Met	Ser	Ser	Leu	Arg

## RAW SEQUENCE LISTING

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84          85          90          95
87 Val Pro Asn Gln Trp Gln Arg Asn Ile Thr Tyr Lys Ser Asn Pro Asn
88          100          105          110
91 Gln Met Leu Pro Asp Ser Val Asp Trp Arg Glu Lys Gly Cys Val Thr
92          115          120          125
95 Glu Val Lys Tyr Gln Gly Ser Cys Gly Ala Cys Trp Ala Phe Ser Ala
96          130          135          140
99 Val Gly Ala Leu Glu Ala Gln Leu Lys Leu Lys Thr Gly Lys Leu Val
100 145          150          155          160
103 Ser Leu Ser Ala Gln Asn Leu Val Asp Cys Ser Glu Lys Tyr Gly Asn
104          165          170          175
107 Lys Gly Cys Asn Gly Gly Phe Met Thr Glu Ala Phe Gln Tyr Ile Ile
108          180          185          190
111 Asp Asn Lys Gly Ile Asp Ser Glu Ala Ser Tyr Pro Tyr Lys Ala Thr
112          195          200          205
115 Asp Gln Lys Cys Gln Tyr Asp Ser Lys Tyr Arg Ala Ala Thr Cys Ser
116          210          215          220
119 Lys Tyr Thr Glu Leu Pro Tyr Gly Arg Glu Asp Val Leu Lys Glu Ala
120 225          230          235          240
123 Val Ala Asn Lys Gly Pro Val Cys Val Gly Val Asp Ala Ser His Pro
124          245          250          255
127 Ser Phe Phe Leu Tyr Arg Ser Gly Val Tyr Tyr Asp Pro Ala Cys Thr
128          260          265          270
131 Gln Lys Val Asn His Gly Val Leu Val Ile Gly Tyr Gly Asp Leu Asn
132          275          280          285
135 Gly Lys Glu Tyr Trp Leu Val Lys Asn Ser Trp Gly Ser Asn Phe Gly
136          290          295          300
139 Glu Gln Gly Tyr Ile Arg Met Ala Arg Asn Lys Gly Asn His Cys Gly
140 305          310          315          320
143 Ile Ala Ser Tyr Pro Ser Tyr Pro Glu Ile
144          325          330
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148 <211> LENGTH: 44
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: pcr primer
155 <400> SEQUENCE: 3
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160 <211> LENGTH: 33
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: pcr primer
167 <400> SEQUENCE: 4
168 tatatagtcg acctagattt ctgggtaaga ggg

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VERIFICATION SUMMARY

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Input Set : A:\ORT1457SeqLst.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date